

81. PHRYGANODES SIMILIS (Guen.).
82. PHRYGANODES PROLONGALIS (Guen.).
83. GLYPHODES HYALINATA (Linn.).
84. SYLLEPTA ELEVATA (Fabr.).
85. SYLLEPTA INTERNITALIS (Guen.).
86. SYLLEPTA HECALIALIS (Walker).
87. PILOCROCIS INFUSCALIS (Guen.).
88. PACHYZANCLA ÆGROTALIS Zeller.
89. SAMEODES CANCELLALIS (Zeller).

Family CRAMBIDÆ.

90. PLATYTES PUSILLALIS (Hübner).
91. DICYMOLOMIA PEGASALIS.

5. A List of the Lepidopterous Insects collected by Mrs. Lort Phillips in Somaliland. By EMILY MARY SHARPE.

[Received March 12, 1898.]

I have again had the pleasure of working out Mrs. Lort Phillips's collection of Butterflies, made during her second expedition to Somaliland in the first three months of 1897. In this collection are examples of many interesting species, including two novelties belonging to the family *Lyceenidæ*.

Name.	Locality and Date.
Fam. DANAIDÆ.	
1. <i>Limnas klugii</i> Butler .....	Dobar, Worja Ballambal, Jan. 26th; Sangamore, March; Bihen.
Fam. SATYRIDÆ.	
2. <i>Ameocera maderakal</i> (Guér.) ...	Rugga Pass, March.
3. <i>Ypthima doleta</i> Kirby .....	Bihen, Jan. 23rd; Wagga, 6000 ft., Feb. 20th.
Fam. ACREIDÆ.	
4. <i>Acræa chilo</i> Godman .....	Wagga, Feb.; Rugga Pass, March; Hanka-deely, March 7th.
5. <i>Acræa bræsia</i> Godman .....	Rugga Pass, March.
Fam. NYMPHALIDÆ.	
6. <i>Junonia clelia</i> (Cram.) .....	Dobar; Bihen, Jan. 23rd; Hammar, Feb. 27th.

Name.	Locality and Date.
Fam. NYMPHALIDÆ (cont.).	
7. <i>Junonia cebræne</i> Butler .....	Bihen, Jan. 23rd ; Hammar, Jan. 27th.
8. <i>Præcis taveta</i> Rogenh. ....	Wagga Mountain, 6000 ft., Feb. 20th ; Rugga Pass, March.
9. <i>Præcis sesamus</i> Trimen .....	Hammar, Jan. 27th.
10. <i>Byblia ilithyia</i> Drury .....	Hankadeely, March ; Wagga, 6000 ft. ; Hammar, Jan. 27th.
11. <i>Hypolimnas misippus</i> (Linn.) .	Bihen, Jan.
12. <i>Charaxes hansalii</i> Feld .....	Wagga, 6000 ft., Feb. 28th.
Fam. LYCENIDÆ.	
13. <i>Axiocerces perion</i> (Cram.) .....	Bihen, Jan. 25th ; Sangamore, March.
14. <i>Lycæna patricia</i> Trimen .....	Wagga, March 3rd.
15. <i>Lycæna jesus</i> Guér. ....	Upper Sheikh, Jan. & Feb.
16. <i>Lycæna knysna</i> Trimen .....	Somaliland.
17. <i>Lycæna trochilus</i> (Frey.) .....	Hammar, Feb. 27th ; Gedais, 4300 ft., Feb. 16th.
18. <i>Tarucus louisæ</i> , sp. nov. ....	Wagga Mountain, 6000 ft., February ; Dobar, Jan.
19. <i>Tarucus theophrastus</i> Fabr. ...	Dobar,
20. <i>Lycænesthes amarah</i> Lefebv. ....	Somaliland.
21. <i>Lycænesthes princeps</i> Butler ...	Upper Sheikh, Feb. 1st.
22. <i>Deudorix livia</i> (Klug) .....	Sogsoda, Feb. 11th ; Hammar, Jan. 27th.
23. <i>Tatura philippus</i> (Fabr.) .....	Hankadeely, Feb. & March.
24. <i>Tatura mimosa</i> Trimen .....	Sogsoda, Feb. 11th.
25. <i>Spindasis somalina</i> Butler ...	Wagga, Feb. 28th.
26. <i>Spindasis waggæ</i> , sp. nov. ...	Wagga Mountain, 6000 ft., Feb.
27. <i>Argiolaus silas</i> Westw. ....	Wagga, 6000 ft. ; Upper Sheikh, Feb. 1st.
Fam. PIERIDÆ.	
28. <i>Terias ceres</i> Butler ..	Rugga Pass, March ; Gedais, Feb. 17th.
29. <i>Pieris infida</i> Butler .....	Wagga, 6000 ft., Feb. ; Hankadeely, March 7th ; Somaliland.
30. <i>Pieris gidica</i> Godt. ....	Wagga, Feb. 13th ; Upper Sheikh, Feb. 1st ; Sogsoda, Feb. 11th ; Bihen, Jan. 25th.
31. <i>Mylothris agathina</i> (Cram.) ...	Wagga, Feb. 7th.
32. <i>Colias electra</i> (Linn.) .....	Wagga, Feb.
33. <i>Teracolus calais</i> (Cram.) .....	Dobar, Jan. 21st.
34. <i>Teracolus chrysonome</i> (Klug) ...	Rugga Pass, March.
35. <i>Teracolus arne</i> (Klug) .....	Wagga, Feb.
36. <i>Teracolus omphale</i> Godt. ....	Wagga, March 3rd.
37. <i>Teracolus ignifer</i> Butler .....	Wagga.
38. <i>Teracolus evagore</i> (Klug) .....	Wagga, Feb. 14th.
39. <i>Teracolus eucnina</i> (Wallengr.).	Bihen, Jan. 25th.
40. <i>Teracolus thruppi</i> Butler .....	Rugga Pass, March ; Upper Sheikh, Feb. 1st.
41. <i>Teracolus evarne</i> (Klug) .....	Wagga, Feb. 13th ; Gedais, Feb. 16th ; Sogsoda, Feb. 11th ; Upper Sheikh, Jan. 28th ; Bihen, Jan. 25th.
42. <i>Teracolus philipsi</i> Butler .....	Bihen, Jan. 25th.
43. <i>Teracolus heliosautus</i> Butler ...	Rugga Pass, March.
44. <i>Teracolus eupompe</i> Klug .....	Wagga, March 3rd ; Upper Sheikh, Jan. 30th.
45. <i>Teracolus pseudacaste</i> Butler .	Sogsoda, Feb. 5th.

Name.	Locality and Date.
Fam. PIERIDÆ (cont.).	
46. <i>Teracolus lorti</i> E. M. Sharpe .	Wagga Mountain, 6000 ft., Feb. 20th.
47. <i>Teracolus protomedia</i> (Klug). .	Upper Sheikh, Feb. 1st; Sogsoda, Feb. 5th & 6th.
48. <i>Synchlœ glauconome</i> (Klug)...	Bihen, Jan. 24th.
49. <i>Euchlœ falloni</i> Albard .....	Wagga, 6500 ft., March 2nd; Wagga, Feb. 23rd; Rugga Pass, March.
50. <i>Catopsilia florella</i> (Fabr.) .....	Sogsoda, Feb. 11th; Rugga Pass, March.
51. <i>Herpænia melanarge</i> Butler ...	Upper Sheikh, Jan. 31st.
Fam. PAPILIONIDÆ.	
52. <i>Papilio demoleus</i> (Linn.) .....	Wagga Mountain, Sogsoda, Feb. 11th.
53. <i>Papilio pseudonireus</i> Feld. ...	Hankadeely, March 7th.
Fam. HESPERIIDÆ.	
54. <i>Rhopalocamptia anchises</i> Godt.	Sogsoda, Feb. 5th; Dobar, Jan. 7th.
55. <i>Sarangesa pertusa</i> (Mabille)...	Rugga Pass, March; Wagga, March.
56. <i>Pyrgus vindex</i> Cram. ....	Somaliland.
57. <i>Hesperia diomus</i> Hopff. ....	Wagga, Feb. 20th; Rugga Pass, March.
Fam. LIMACODIDÆ.	
58. <i>Parasa vivida</i> Walker .....	Rugga Pass.
Fam. NOCTUIDÆ.	
59. <i>Heliothis armigera</i> W. Y.....	Rugga Pass, March.
Fam. LIPARIDÆ.	
60. <i>Stilpnotia crocipes</i> Boisd. ....	Wagga, Feb. 20th.
Fam. LITHOSIIDÆ.	
61. <i>Secusio parvipuncta</i> Hamps. ...	Wagga, Feb. & March.
62. <i>Deiopeia pulchella</i> Linn. ....	Rugga Pass; Wagga; Upper Sheikh, Jan. 30th.
Fam. GEOMETRIDÆ.	
63. <i>Sterranthia sacraria</i> (Linn.)...	Wagga, March 3rd.

The following are the descriptions of the two new species represented in the collection :—

18. *TARUCUS LOUISÆ*, sp. nov.

Black with white markings.

♂.—*Primaries*. Brownish black with faint indications of darker spots, these representing the markings on the underside.

*Secondaries*. Similar to the primaries; near the hind margin is a submarginal line of narrow white spots, followed by a row of black spots; above this is a second inner row of five white spots, commencing from the posterior angle, and extending to about the middle of the wing. Fringe on both wings white.

*Underside*. Ground-colour of both wings white, relieved by

numerous spots and bands of black as in *T. sybaris* Hopffer, the black zigzag bands on the primaries being rather more heavily indicated.

Expanse 0·7 inch.

♀.—Similar to those of *T. sybaris* and *T. theophrastus* (Fabr.), but differing in the white discal patch on the primaries being much more reduced. Expanse 0·6 inch.

## 26. SPINDASIS WAGGÆ, sp. nov.

Nearest to *S. namaquus* Trimen as regards the colouring of the underside, and is at once distinguished by the absence of any blue on the upper surface.

♂.—*Primaries*. Uniform brown, suffused with bronze, two black spots, the first being at the end of the discoidal cell, the second nearer the base. A narrow black submarginal line, followed by a white fringe on the hind margin.

*Secondaries*. Similar to the primaries, but having no bronze shading. Near the posterior angle is a bright orange spot, closely followed by four nearly obsolete spots of white for about half the length of the narrow black submarginal line.

*Underside*. Ground-colour brown with pearly white spots, suffused with silver and outlined with black. These spots are distributed over both wings, and do not form any regular bars or rows of spots, with the exception of a submarginal row of white spots preceding the hind marginal border. The orange spot on the secondaries is divided by a silver dot, having near the inner margin a distinct black spot.

Expanse 1·1 inch.

♀.—Similar to the male, but is rather larger, and the bronze colour is a little deeper, and is extended to the secondaries. The orange spot is also not quite so bright.

Expanse 1·2 inch.

## 6. On a Collection of Insects and Arachnids made by Mr. E. N. Bennett in Socotra, with Descriptions of new Species. By F. A. DIXEY, M.A., M.D., MALCOLM BURR, F.Z.S., and the Rev. O. PICKARD-CAMBRIDGE, M.A., F.R.S., C.M.Z.S.

[Received March 29, 1898.]

(Plates XXX. & XXXI.)

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## I. LEPIDOPTERA, with Remarks on Local and Seasonal Forms in the Genus *Byblia* Hübn. By F. A. DIXEY, M.A., M.D., Fellow of Wadham College, Oxford.

Mr. E. N. Bennett, a Fellow of Hertford College, Oxford, reached Socotra on December 17, 1896, in company with the